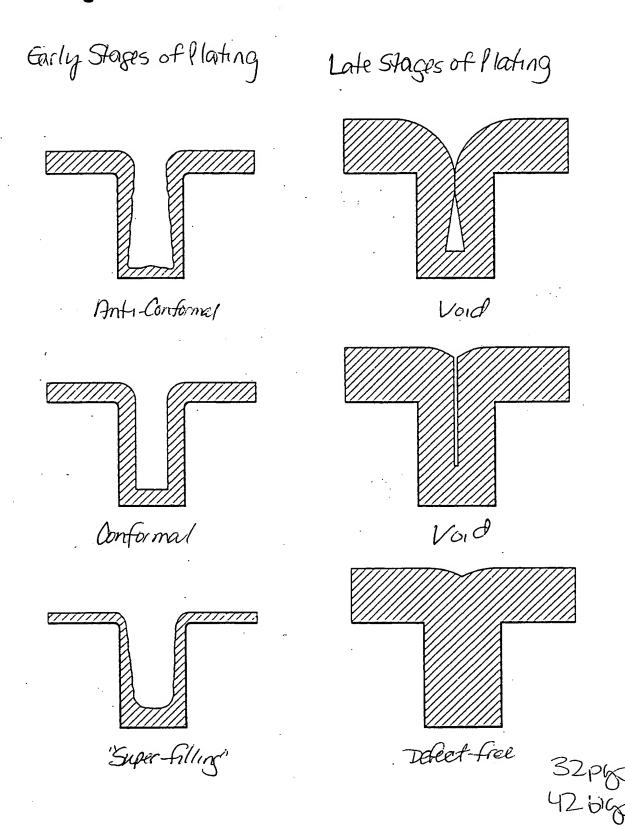
Fig. 1



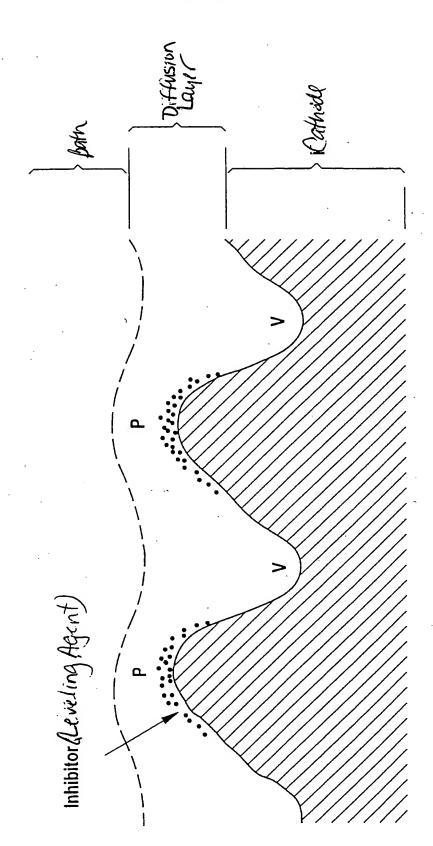


Fig. 2

Fig. 3a

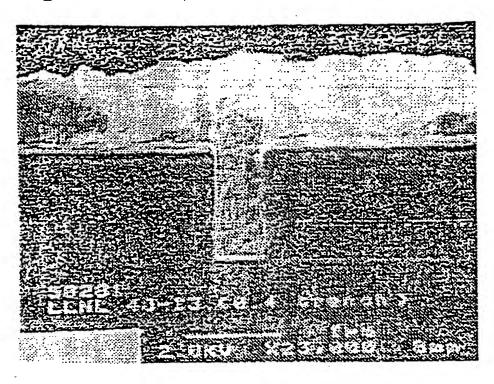


Fig. 3b



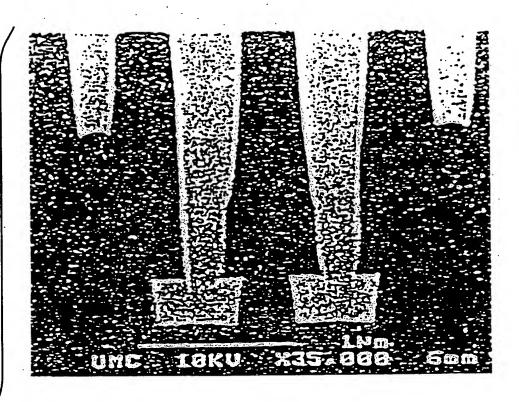
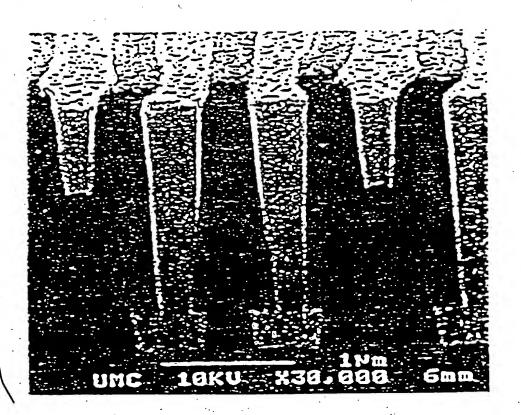


Fig. 4



5/32

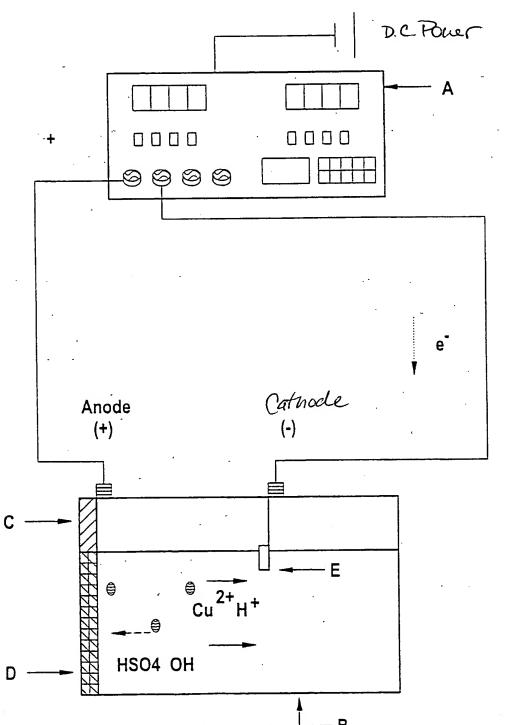
Fig. 5

A: Power Supplied

B: PP Tank C: Ti-Anode Basket

D: Pailed Copper

E: Wafer







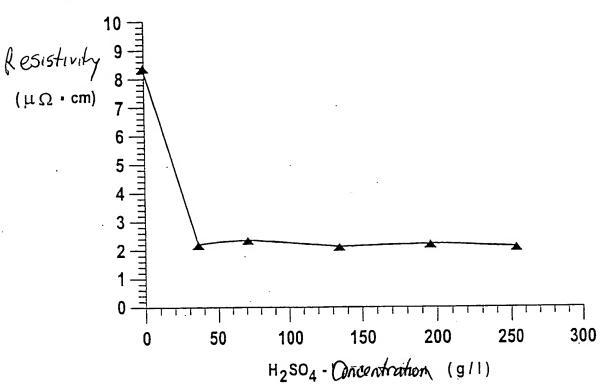


Fig. 7

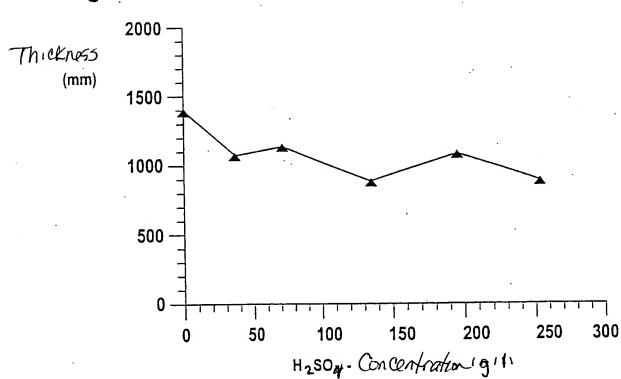


Fig. 8a

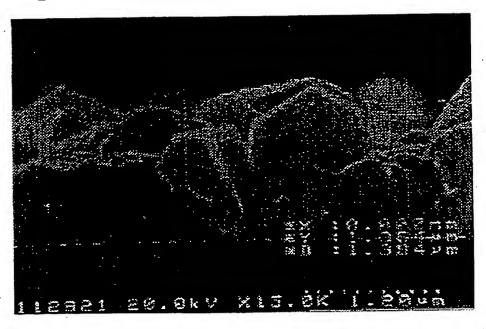
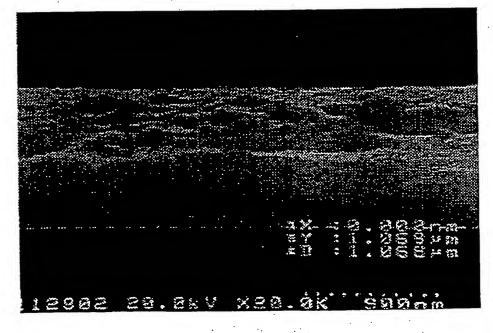


Fig. 8b



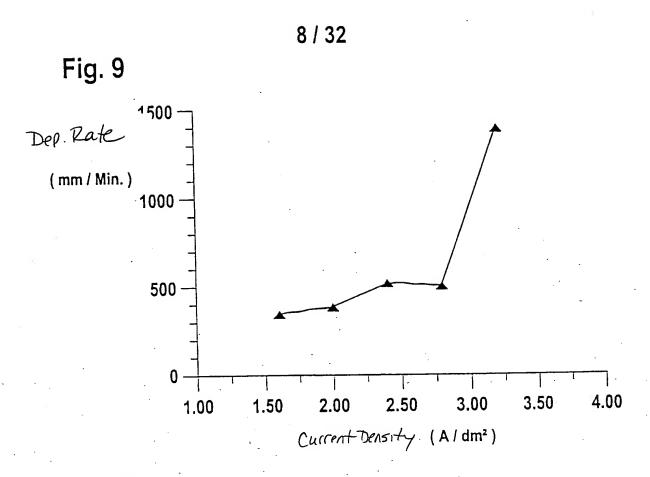


Fig. 10

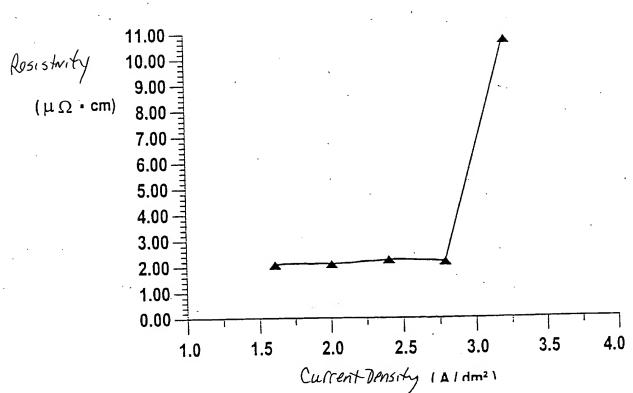
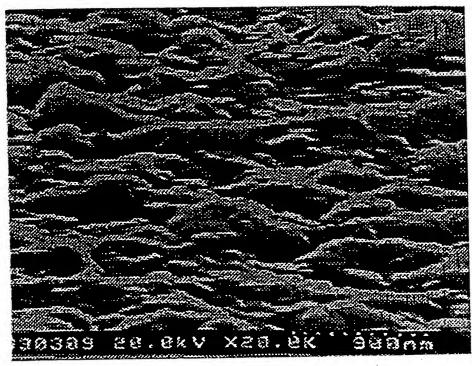
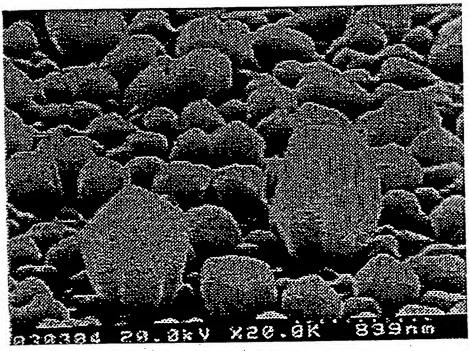


Fig. 11a



1.2 A/dm²

Fig. 11b



3.2 A/dm2

Fig. 12

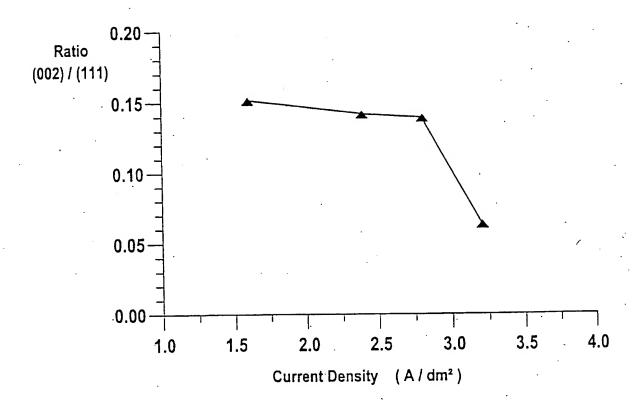


Fig. 13a

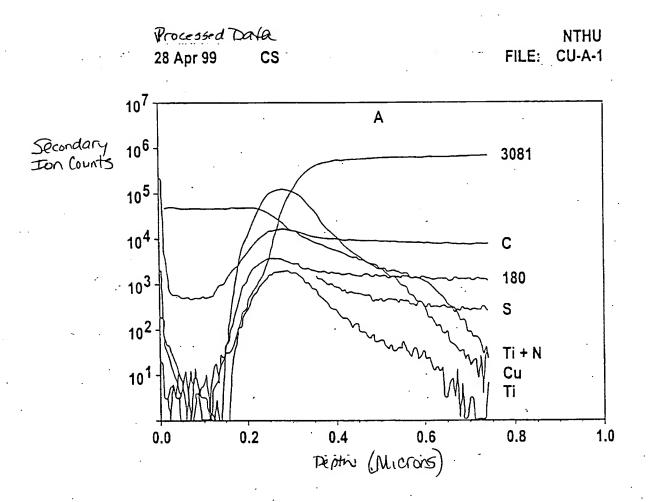
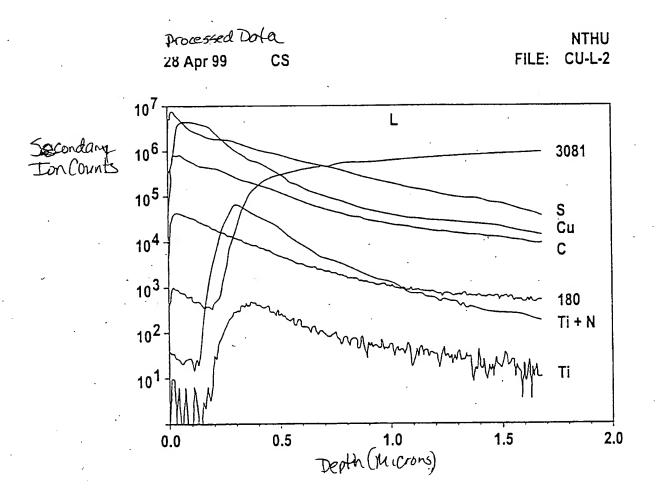


Fig. 13b



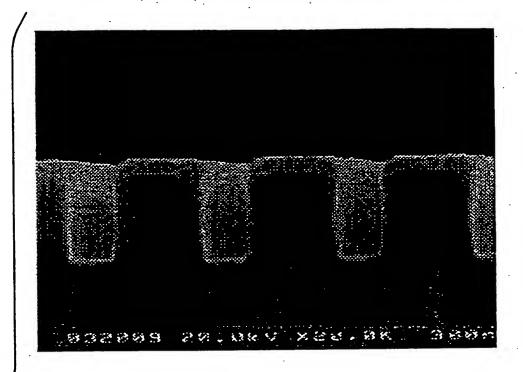


Fig. 14



Fig. 15

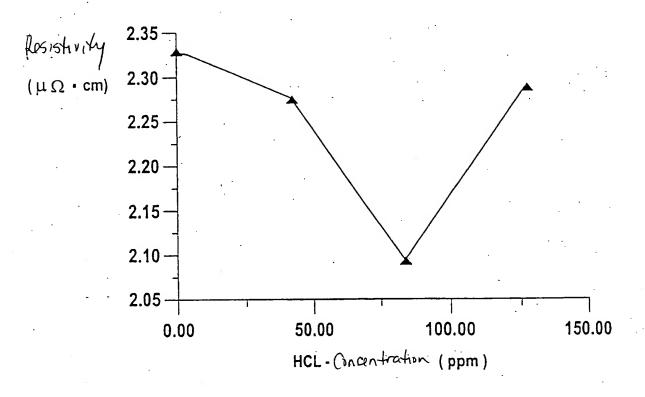


Fig. 16a

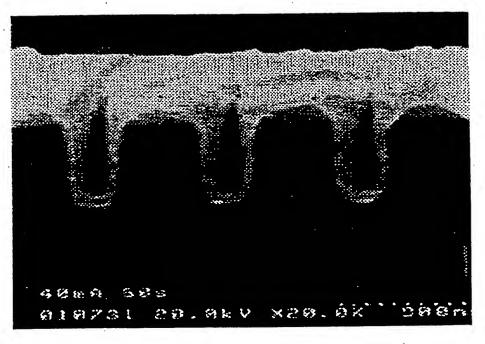


Fig. 16b



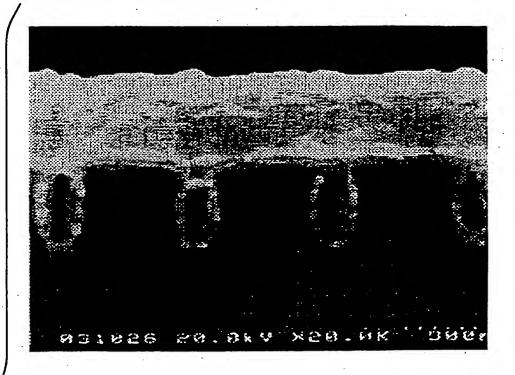


Fig. 17

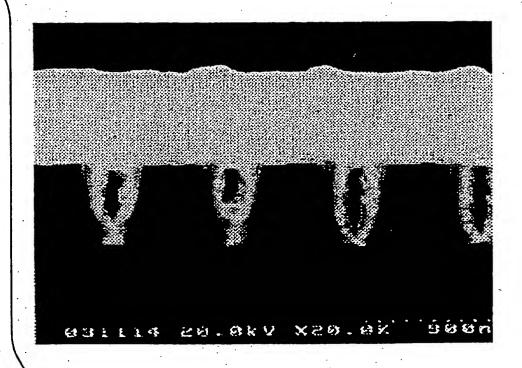


Fig. 18

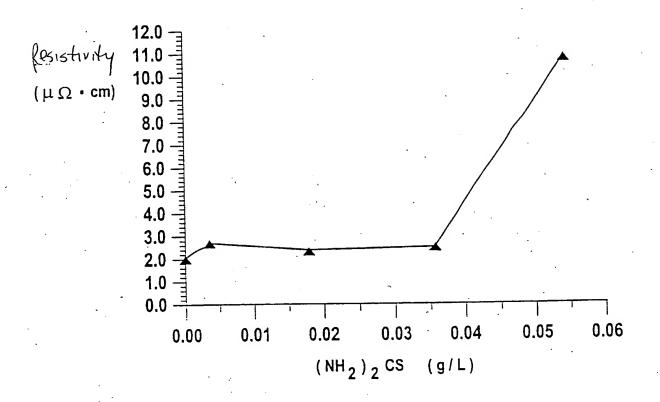


Fig. 19

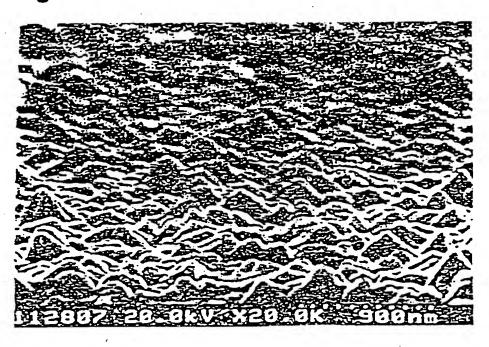


Fig. 20

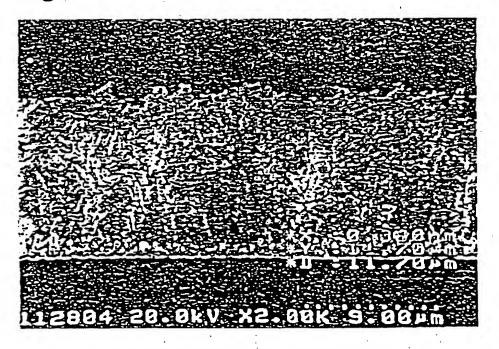


Fig. 21

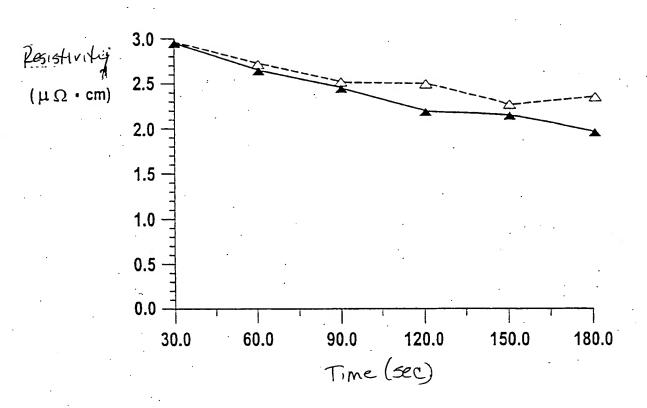


Fig. 22a

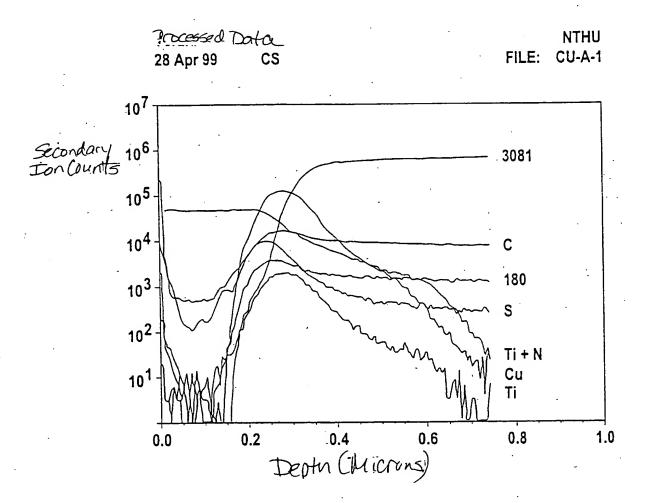


Fig. 22b

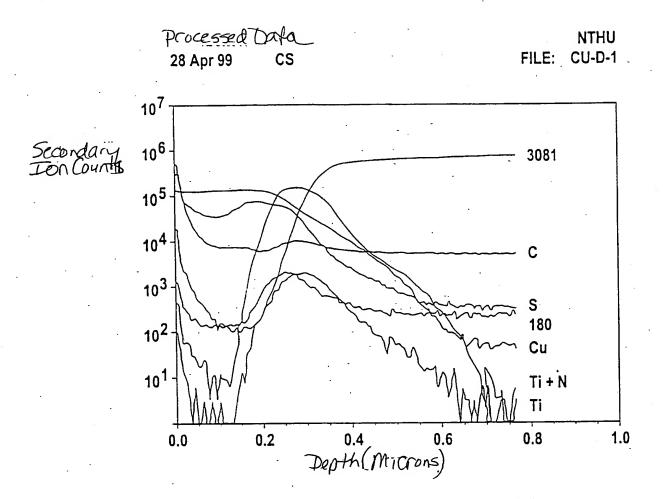


Fig. 22c

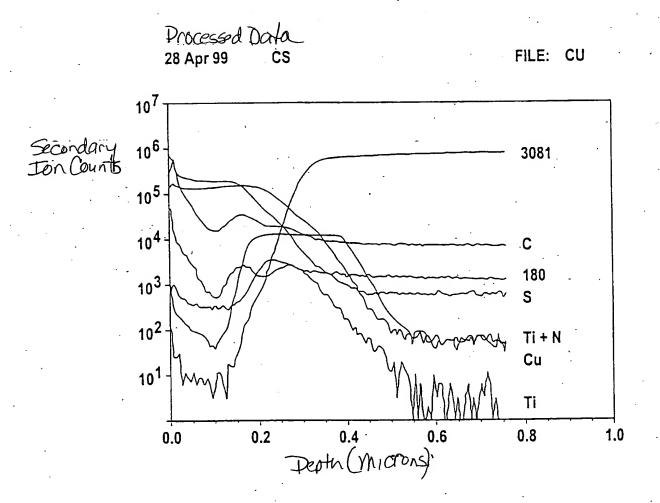
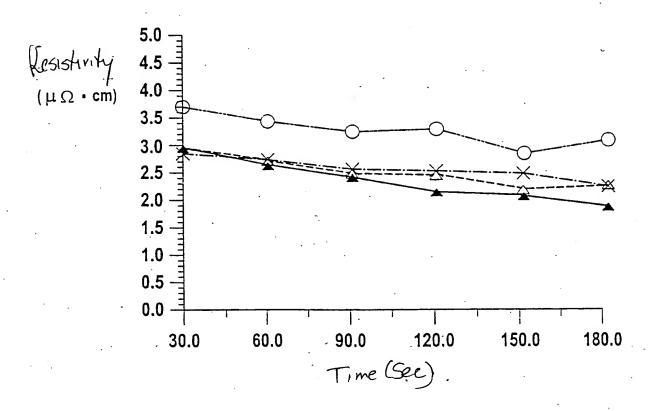


Fig. 23



- · without additive agent
- \triangle 0,0036 g/L (NH₂) ₂ CS und PEG200
- imes 0,0036 g/L (NH $_2$) $_2$ CS und PEG1000
- \bigcirc 0,0036 g/L (NH₂) ₂ CS und PEG4000

Fig. 24a

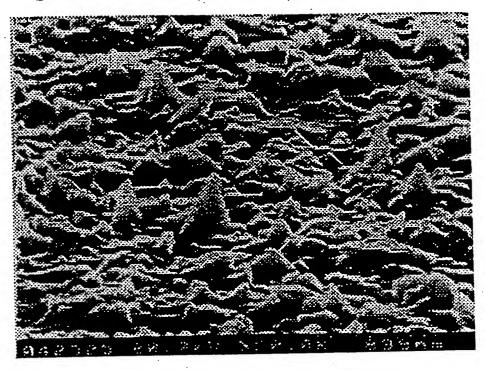


Fig. 24b

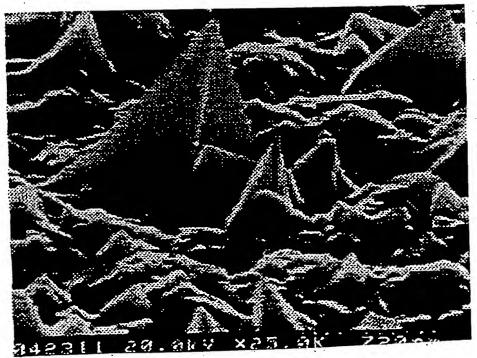
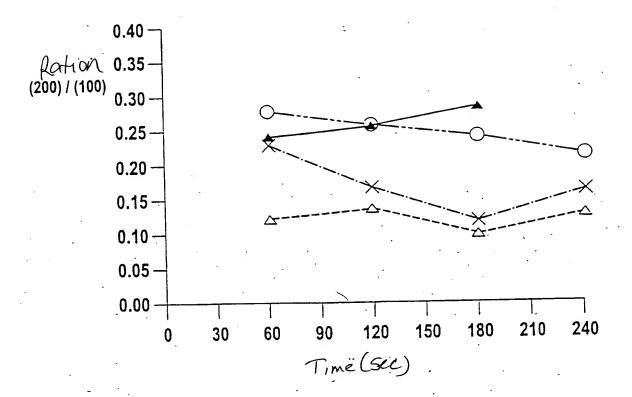


Fig. 25



▲ S.T.D

 \triangle (NH₂)₂ CS ι + PEG200

 \times (NH₂)₂ CS + 1 PEG1000

○ (NH₂)₂ CS ι + PEG4000

Fig. 26a

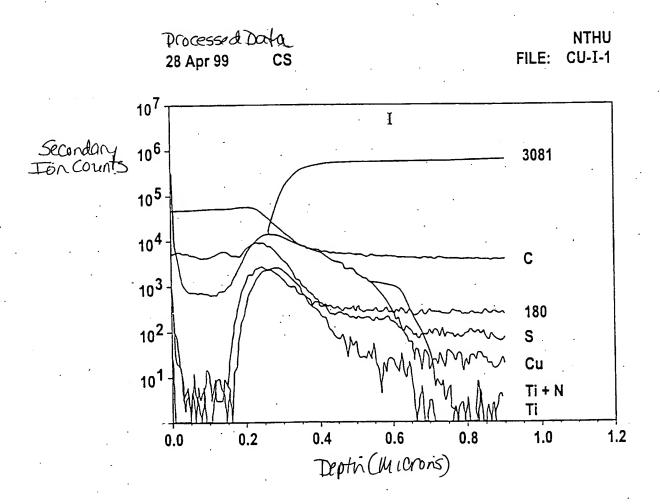


Fig. 26b

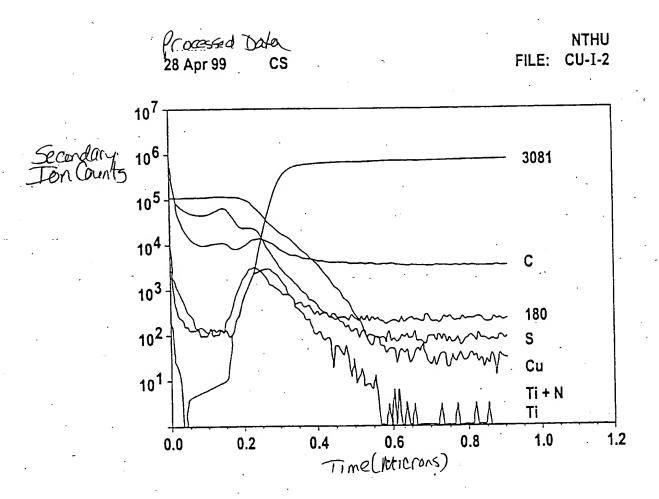


Fig. 27

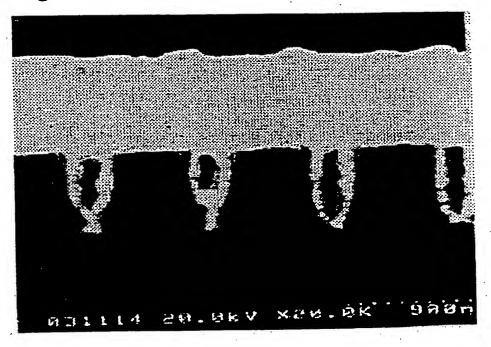


Fig. 28

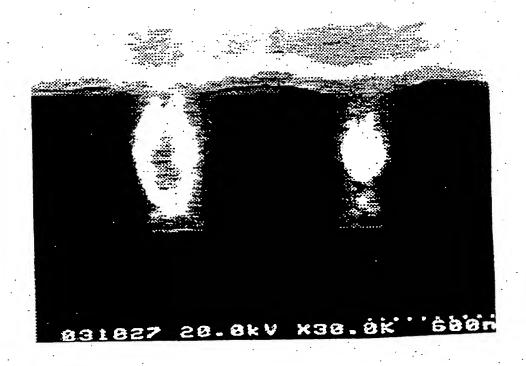


Fig. 29a

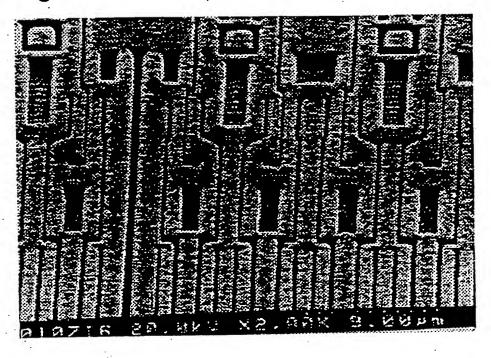


Fig. 29b

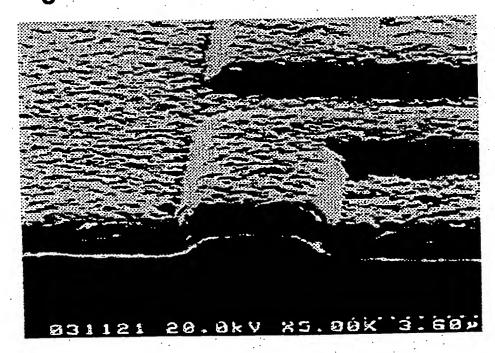
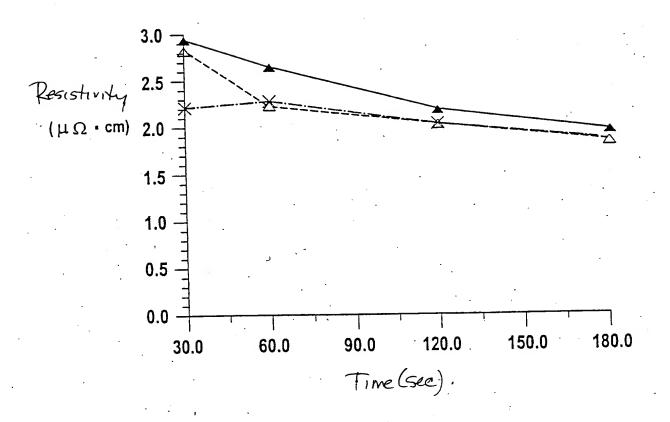


Fig. 30



▲ ivitnout additive agent △ with (NH2OH) 2*H2SO4 × with NH2OH*HCI

Fig. 31

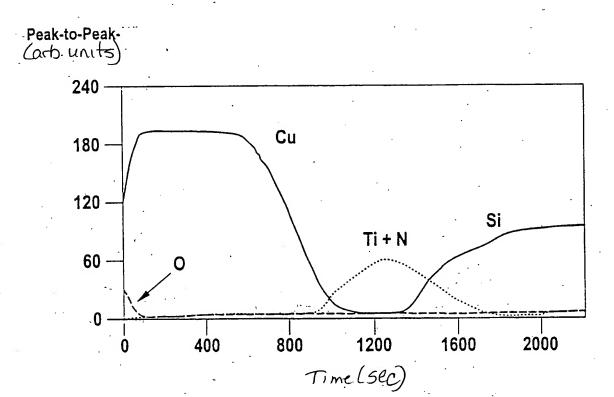




Fig. 32

